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tinet.c

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The state of the s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /* Our header file */
                                tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #include "dpcagent.h"
                                                                                                Thu Jul 17 14:46:13 1997
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```
LogECBHandle, TRUE,
                                                                                                                                                                                                                                                                                                                                                                                                          FastLogMsg(LogECBHandle, (LogClientHandle, LogECBHandle, TF "TINET Release(%081x)\n", ecb));
                                                                                                                                                                                                 if ((DIOStats->QDepth -= ecb->ECB_DataLength) < 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 inline void Enqueue_IntsDisabled(ECBQueue* q, ECB*
ecb->ECB_NextLink = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             _enable();
ecb->ECB_NextLink = ecb->ECB_PreviousLink = 0;
                                                                                                                                         static inline void ReleaseECB(ECB* ecb)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SignalLocalSemaphore(q->semaphore);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          q->tail->ECB_NextLink = ecb;
ecb->ECB_PreviousLink = q->tail;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          q->head->ECB_PreviousLink = 0;
                                                                                                                                                                                                                                                                DPCInetMaxQueuedPackets
                                                                                                                                                                                                                                                                                                                                                --TxECBRTag->RTResourceCount;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     _disable();
Enqueue_IntsDisabled(q, ecb);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 void Engueue (ECBQueue* q, ECB*
                                                                                                                                                                                                                                                                                                                                                                                                                                             #endif /* LOG_ECB_ACTIVITY */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            q \rightarrow head = ecb \rightarrow ECB_NextLink;
                                                                                                                                                                                #ifdef DPCInetMaxQueuedBytes
                                                                                                                                                                                                                                                                                                                                                                     CLSLFastSendComplete(ecb);
                                                                                                                                                                                                                         DIOStats->QDepth = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ECB* Degueue (ECBQueue* q)
                                                                                                                                                                                                                                                                                     --DIOStats->QDepth;
                                                                                                                                                                                                                                                                                                                                                                                       #ifdef LOG_ECB_ACTIVITY
                                                                                                    /* ECB Manipulation */
                                       #endif /* __GNUC__
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        if (q->head == 0)
q->head = ecb;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               if (q->head == 0)
q->tail = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ecb = q->head;
if (ecb == 0) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   q->tail = ecb;
#ifndef GNUC #define inline
                                                                                                                                                              if (DIOStats)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          if (q->tail)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 _enable();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   _disable();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       return ecb;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          _enable();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ECB* ecb;
                                                                                                                                                                                                                                                                  #ifdef
                                                                                                                                                                                                                                                                                                     |endif
                                                                                                                                                                                                                                              tendif
                                                                                                                                                                                                                                                                                                                                                               Only 1 of DPCInetMaxQueuedBytes and DPCInetMaxQueuedPackets allowed
                                                                                                                                                                                                                                                                                                                                                defined(DPCInetMaxQueuedBytes) && defined(DPCInetMaxQueuedPackets)
                                                                                                                       (GetHighResolutionTimer() / 10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (((BYTE*)x)[0] >> 4)
(((BYTE*)x)[0] & 0x0f)
                                                                                                                                                               ECB_DriverWorkspace.Dws_i32val
                                                                                                                                                                                                                                                                                   /* if used at all, define *only* 1 of the following */
#undef DPCInetMaxQueuedBytes /* 4096 */
                      #define AllocateResourceTag __AllocateResourceTag__
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (((WORD*)x)[13])
(((WORD*)x)[7])
(((WORD*)x)[8])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (((WORD*)x)[1])
(((WORD*)x)[3])
(((BYTE*)x)[9])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (((BYTE*)x)[1])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (((WORD*)x)[0])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (((WORD*)x)[0])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (((WORD*)x)[1])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (((WORD*)x)[1])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (((LONG*)x)(3])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (((TONG*)x)[5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (((WORD*)x)(5]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         struct ResourceTagStructure* TxChainRTag = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       struct ResourceTagStructure* RxChainRTag = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            struct ResourceTagStructurn* TxRCBRTag = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                              /* various flags that control the tunnel */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         struct ResourceTagStructure* RxECBRTag = 0;
                                                                                                                                                                                                      /* various flags that control the filter */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LONG RXChainID;
LONG DPC_IP_Address = 0;
static BYTE ConnectionMask(65'316 / 81;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0×04
                                                                                                                                                                                                                                                                                                                            define DPCInetMaxQueuedPackets 64
                                                                                                                                                                                                                     #undef FILTER_DATA_ON_RST
#define WIDEN_TCP_WINDOW
#undef TCP_ACK_LATENCY /* 10 */
 /* "fix" conflicting types */
                                                             undef AllocateResourceTag
                                                                                                                                                                                                                                                                                                                                                                                                                                                     #undef TUNNEL_ONLY_TCP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #define IPPROTO_IPENCAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IP_TOT_LEN(x)
IP_FLAG_FRAG(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          UDP_SRC_PORT(x)
UDP_DST_PORT(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCP_SRC_PORT(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCP_DST_PORT(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #define IP_PROTO(x)
#define IP_CSUM(x)
#define IP_SRC_ADDR(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #define IP_DST_ADDR(x)
                                                                                                                                                               #define activityTimer
                                            #include <advanced.h>
                                                                                 #include <nwbitops.h>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCP_ACKNUM(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCP_WINDOW(x)
                                                                                                                        define milliclock()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0×04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0×08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0x10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IP_HD_LEN(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TCP_CODE(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCP_CSUM(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IP_VERS(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IP_TOS(x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #define TCP_SYN 0
#define TCP_RST 0
#define TCP_PSH 0
#define TCP_ACK 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TCP_FIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LONG TXChainID;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ECBQueue NewQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ECBQueue TxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    define
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #define
                                                                                                                                                                                                                                                                                                                                                                      terror
                                                                                                                                                                                                                                                                                                                                                                                           endif
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if (ecb->ECB_Fragment[0].FragmentLength < ((TCPHeader + 20) - IPHeader))</pre>
                                                                                                                                                                                                                                                                                                    stats, hopefully upper layer is kosher, but */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          if (!AllocateConnection(ntohs(TCP_DST_PORT(TCPHeader))))
                                                                                                                                                                                                if (*(LONG*)ecb->ECB_ProtocolID != 0 ||
 *(WORD*)(ecb->ECB_ProtocolID + 4) != htons(0x0800))
                                              BYTE* IPHeader = ecb->ECB_Fragment[0].FragmentAddress;
BYTE* TCPHeader = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ClearConnection(ntohs(TCP_DST_PORT(TCPHeader)));
                                                                                                 /* not used
/* not used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TCPHeader = IPHeader + IP_HD_LEN(IPHeader) * 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     if (TCP_CODE(TCPHeader) & (TCP_FIN|TCP_RST)) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rax = *((WORD *)rdssi);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /* only check TCP packets to our interface *.
if (IP_PROTO(IPHeader) != IPPROTO_TCP ||
IP_DST_ADDR(IPHeader) != DPC_IP_Address)
           tinet,c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        static unsigned char crc_bytes[2];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       else if (TCP_CODE(TCPHeader) & TCP_SYN)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        crc_bytes[0] = crc_bytes[1] = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       char 'chksum (BYPE 'buf, unsigned cnt)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              += 2;
                                                                                                                                                                                                                                                                                                                                                                                 -- RxECBRTag->RTResourceCount;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /* release the connection */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /* allocate the connection
                                                                                                                                                                                                                                                                                                                                                                                                      CLSLFastSendComplete(ecb);
return 0;
                                                                                                                                                                            /* only handle IP packets */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         rdssi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 while (rcx--)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           rcx = rcx >> 1;
                                                                                                                                                                                                                                                                                                    /* double check stats
if (DIOStats == 0) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WORD rax, rcx;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 goto releaseECB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if (rcx != 0)
Page 3 Thu Jul 17.14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rdssi = buf;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BYTE *rdssi;
                                                                                                                        chainID = chainID;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /* IP Manipulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rbl = rcx;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rcx = cnt;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rock = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BYTE rbl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     int redx;
                                                                                                 board = board;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  return 1;
                                                                                                                                                                                                                                                        return 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    return 1;
                                                                                                                                                                                                                                                                                                                                                     releaseECB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              return 1;
         In the first that the second
                                                                                                                      ecb->ECB_NextLink->ECB_PreviousLink = ecb->ECB_PreviousLink;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /* see if there is a connection left */
if (DIOStats->TxOKMultipleCollisions < DPCMaxConnections) (</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'LONG ConnectionLimiter(ECB* ecb, LONG board, void* chainID) (
                                                                                                                                                                                                                            ecb->ECB_PreviousLink->ECB_NextLink = ecb->ECB_NextLink;
                                                                                                                                                                                                                                                                                                                                                                                                                                  void* chainID) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /* only handle IP packets */
if (*(LONG*)ecb->ECB_ProtocolID != 0 ||
 *(WORD*)(ecb->ECB_ProtocolID + 4) != htons(0x0800))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         == port) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            if (ScanBits(ConnectionMask, port, port+2) != port) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                         not used */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ecb->ECB_NextLink = ecb->ECB_PreviousLink =
      tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ScanBits(ConnectionMask, port, port+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                    LONG InetQueuePacket(ECB* ecb, LONG board,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BitSet(ConnectionMask, port);
++DIOStats->TxOKMultipleCollisions;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BitClear(ConnectionMask, port);
--DIOStats->TXOKMulliple(ollimions;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /* allocate the new connection */
                                                                                                                                                                            q->tail = ecb->ECB_PreviousLink;
if (ecb->ECB_PreviousLink)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   int AllocateConnection(WORD port) (
                                                void Remove (ECBQueue* q, ECB* ecb)
                                                                                                                                                                                                                                                                               q->head = ecb->ECB_NextLink;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  void ClearConnection(WORD port)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #endif /* LOG_ECB_ACTIVITY */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SetThreadGroupID(TGID);
                                                                            _disable();
if (ecb->ECB_NextLink)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #ifdef LOG_ECB_ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LONG InetControl (void)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Enqueue (&NewQ, ecb);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       return Oxffffff81;
           Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chainID = chainID;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              board = board,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        return 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   return 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          return 1;
```

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FastLogMsg(LooECBHandle, (LogClientHandle, LogECBHandle, TPUE, "TINET Release(%081x)\n", ecb));
                                                                                                                                                                                             : "=r" (sum), "=s" (buff), "=c" (wlen), "=a" (eax)
: "0" (sum), "1" (buff), "2" (wlen));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DPCDropFrame((FRAG_DESC*)&ech->ECB_FragmentCount);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /* not used */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TimedWaitOnLocalSemaphore(NewQ.semaphore, 1000); if (!NewQ.head)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            int (*DPCDropFrame)(FRAG_DESC* frag) = DummyFrame;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RenameThread(GetThreadID(), "DPCAgent Filter");
                                                                                                                                                                                                                                                                                                                 ip_fast_csum(b, (1) / 4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IP = ecb->ECB_Fragment[0].FragmentAddress;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        static int DummyFrame(FRAG_DESC* frag) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ecb->activityTimer = milliclock();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                --TxECBRTag->RTResourceCount;
                                                                                                                                                                                                                                                        return ip_fold_lcomp_csum(sum);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   return ip_fold_lcomp_csum(sum);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLSLFastSendComplete(ecb);
                                                                                                                                                      "loop 1b\n\t"
"adc1 $0, %0\n\t"
                                                                                                                                     adc1 83, 80\n\t"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     void FilterQueue(void* arg) (
                                     xorl $0xffff, %eax
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ecb = Degueue(&NewQ);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if (DIOStats == 0) (
                                                                                                                  "lods1\n\t"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #ifdef LOG_ECB_ACTIVITY
                                                                                                                                                                                                                                                                                                               #define chksum(b, 1)
if (ExitingFlag)
                                                                         _asm_("clc\n"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #endif /* __GNUC__
                                                                                                                                                                                                                                                                                                                                                                                                                                                   sum += newval
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   continue;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         releaseECB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           frag = frag;
return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ECB* ecb;
ECB* rover;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     int excess;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           return;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BYTE* TCP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for (;;) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           arg = arg;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BYTE* IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    this version is constructed from various places in the linux and Hughes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This is a version of ip_compute_csum() optimized for IP headers, which always checksum on 4 octet boundaries.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      static inline unsigned short ip_fast_csum(unsigned short * buff, int wlen) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   static inline unsigned short ip_fold_lcomp_csum(unsigned long sum) (
                                   if (redx & Oxffff0000)
   tinet.c
                                                                           redx &= 0x0000ffff;
                                                                                                                                                                           redx &= 0x0000ffff;
                                                                                                                                                                                                                                                                                                                                                                                                                              crc_bytes[0] = redx & 0xff;
crc_bytes[1] = (redx >> 8) & 0xff;
return (char *)crc_bytes;
                                                                                                                                  if (redx &= 0x0000ffff)
                                                                                                                                                                                                                                                                                                                               redx += rax;
if (redx &= 0x0000ffff)
                                                                                                redx += rax;
                                                                                                                                                                                               redx++;
                                                                                                                                                                                                                                                                                                                                                                       redx++;
                                                                                                                                                                                                                                                                                                             rax = *rdssi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       movl (%esi), %ebx
lea (%esi+4), %esi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  : "=a" (csum);
: "b" (sum));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /* Suggested speedup:
                                                                                                                                                                                                                                                                                            rax = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             unsigned long sum = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   adcl %ebx, %eax
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  movl %eax, %ebx
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         addw %ebx, %eax
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     unsigned short csum;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   unsigned long eax;
                                                                                                                                                                                                                                                                                                                                                                                                            redx = ~redx;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     shr1 $16, %eax
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "notw &w0"
 Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                    )
if (rbl & 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             adcl $0, %eax
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                $0, %eax
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       decl %ecx
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GNUC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sources.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                return csum;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if (wlen) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              jnz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                adcl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #ifdef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #endif
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roverTCP = rover->ECB_Fragment(1).FragmentAddress + (-excess);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /* will get taken out shortly */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for (rover = TxQ.head; rover; rover = rover->ECB_NextLink) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                    for (rover = TxQ; rover; rover = rover->ECB_NextLink) (
    BYTE* roverIP = rover->ECB_Fragment[0].FragmentAddress;
    BYTE* roverICP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11
V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           » 0 ድ
                                            TCP_CODE(roverTCP) == TCP_CODE(TCP) &&
IP_DST_ADDR(roverIP) == IP_DST_ADDR(IP) &&
TCP_DST_PORT(roverTCP) == TCP_DST_PORT(TCP) &&
IP_SRC_ADDR(roverIP) == IP_SRC_ADDR(IP) &&
TCP_SRC_PORT(roverTCP) == TCP_SRC_PORT(TCP)) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ري
لاي
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <u>ئ</u>
ق
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         excess += rover->ECB_Fragment(1).FragmentLength;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     *= 1.5, will be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ecb->activityTimer = milliclock() + TCP_ACK_LATENCY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (IP_FLAG_FRAG(roverIP) & htons(0x2fff) == 0
IP_PROTO(roverIP) == IPPROTO_TCP &&
IP_DST_ADDR(roverIP) == IP_DST_ADDR(IP) &&
TCP_DST_PORT(roverTCP) == TCP_DST_PORT(TCP)
IF_SRC_ADDR(roverTP) == TCP_SRC_ADDR(IP) &&
TCP_SRC_PORT(roverTCP) == TCP_SRC_PORT(TCP)
TCP_CODE(roverTCP) == TCP_CSRC_PORT(TCP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       excess = (rover->ECB_Fragment[0].FragmentLength
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  if (rover->ECB_Fragment[0].FragmentLength >= 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCP_CSUM(TCP) = ip_adjust_csum(TCP_CSUM(TCP) oldwin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          roverTCP = roverIP + IP_HD_LEN(roverIP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ClearConnection(ntohs(TCP_SRC_PORT(TCP));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   newwin);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         if (TCP_CODE(TCP) & (TCP_RST|TCP_FIN)) (
       tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               if (TCP_CODE(TCP) & (TCP_URG|TCP_PSH))
                                                                                                                                                                                                ++DIOStats->TxOKSingleCollision;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IP_HD_LEN(roverIP) * 4);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     + DIOStats->TxAbortCarrierSense;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /* scan for redundancy in TxO */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #ifdef WIDEN_TCP_WINDOW WORD oldwin = TCP_WINDOW(TCP);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         rover->activityTimer = 0;
                                                                                                                                                                                                                                                                                                                                                                #ifdef Filter_DATA_ON_RST
if (TCP_CODE(TCP) & TCP_RST) (
/* scan for data in TxQ */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         If (TCP_CODE(TCP) & TCP_ACK) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WORD newwin = ntohs(oldwin);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TCP_WINDOW (TCP) = newwin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     newwin += (newwin >> 1);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         newwin = htons(newwin);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #endif / * wIDEN_TCP_WINDOW */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            excess >= 20 &&
                                                                                                                                                                                                                            goto releaseECB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                if (excess > 0) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        if (newwin < 40000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              goto enqueueTxQ;
                                                                                                                                                                                                                                                                                                                  goto enqueueTxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       goto enqueueTxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #ifdef TCP_ACK_LATENCY
  Page 7 Tru Jul 17 14346: 13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /* fallthru */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     else (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #endif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #endif
The Card Hand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            roverTCP = rover->ECB_Fragment(1).FragmentAddress + (-excess);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          excess = ecb->ECB_Fragment[0].FragmentLength - IP_HD_LEN(IP) * 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for (rover = TxO.head, rover; rover = rover->ECB_NextLink)
BYTE* roverIP = rover->ECB_Fragment[0].FragmentAddress;
BYTE* roverTCP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TCP = ecb->ECB_Fragment[1].FragmentAddress + (-excess);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (IP_FLAG_FRAG(roverIP) & htons(0x3fff)) == 0 &&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           excess += rover->ECB_Fragment(1).FragmentLength;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     if (!AllocateConnection(ntohs(TCP_SRC_PORT(TCP))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if (DIOStats->QDepth > DPCInetMaxQueuedPackets) {
    ++DIOStats->RetryTxCount;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  if (rover->ECB_Fragment(0).FragmentLength >= 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         excess = (rover->ECB_Fragment[0].FragmentLength
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            roverTCP = roverIP + IP_HD_LEN(roverIP) * 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             excess +* ecb->ECB_Fragment(1).FragmentLength;
                                                                                                                                                                                                                                                                                                             DPCInetMaxQueuedBytes
if (DIOStats->QDepth > DPCInetMaxQueuedBytes)
                                                                                                                                                              /* always send a fragmented or routed packet */
if (ecb->ECB_Fragment[0].FragmentLength < 20 ||
IP_FLAG_FRAG(IP) & htons(0x3fff) ||
IP_SRC_ADDR(IP) != DPC_IP_Address) (</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IP_PROTO(roverIP) == IPPROTO_TCP &&
                                                                                                                                                                                                                                                                                                                                                                                                                                                 DIOStats->QDepth += ecb->ECB_DataLength;
tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IP_HD_LEN(roverIP) * 4);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  goto releaseECB; /* scan for duplicate in TxQ */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     if (IP_PROTO(IP) == IPPROTO_UDP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if (IP_PROTO(IP) != IPPROTO_TCP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           if (TCP_CODE(TCP) & TCP_SYN) {
                                                                                                                                                                                                                                                                                                                                                                ++DIOStats->RetryTxCount;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DPCInetMaxQueuedPackets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TCP = IP + IP_HD_LEN(IP)
                                                 *
                                            #endif /* LOG_ECB_ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    excess va 20 & &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Enqueue (&TxQ, ecb);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ++DIOStats->QDepth;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          goto releaseECB;
                                                                                                                                                                                                                                                                                                                                                                                                goto releaseECB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     goto engueueTxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     goto enqueueTxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               goto filterUDP;
     Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               if (excess >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if (excess > 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if (excess < 20)
                                                                             continue;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         continue;
                                                                                                                                                                                                                                                                                   engueueTxQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     else (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            filterTCP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         else (
                                                                                                                                                                                                                                                                                                          #ifdef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #endif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #ifdef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #endif
```

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Page 10
                                                                                                 roverUDP = rover->ECB_Fragment[1].FragmentAddress + (-excess);
excess += rover->ECB_Fragment[1].FragmentLength;
                                                                                                                                                                                                                                                                                                                                                                                                                              rover->ECB_Fragment[1].FragmentAddress)) &&
                                                                                                                                                                                                                                ķ
                                                                                                                                                                             <u>ئ</u>
ۋد
                                                                                                                                                                                                                                                                                                        Š
                                                                                                                                                                                                                                                                                                                                                         <u>ئ</u>
ئۆ
                                                                                                                                                                      if (rover->ECB_Fragment[0].FragmentLength >= 20
                                                                                                                                                                                                                                                                                                                           IP_SRC_ADDR(roverIP) == IP_SRC_ADDR(IP) &&
UDP_SRC_PORT(roverUDP) == UDP_SRC_PORT(UDP)
(roverDNS = ((excess -= 8) > 0) ?
(roverUDP + 8) :
                                                                                                                                                                                                                       (IP_FLAG_FRAG(roverIP) & htons(0x3fff)) == (IP_PROTO(roverIP) == IPPROTO_UDP & L
IP_DST_ADDR(roverIP) == IP_DST_ADDR(IP) & UDP_DST_PORT(UDP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WaitingIndex = 0;
WaitingRuffor[WaitingIndex] : '\0';
                                                                                                                                                                                                                                                                                                                                                                                                                                                        *(LONG*) DNS == *(LONG*) roverDNS) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ++DIOStats->TxAbortLateCollision;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 * * * * *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /* 9 */
/* 7 */
/* 8 */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /* SLIP, PPP, Modem Manipulation */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          int WaitingLines = 0, NextWait = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             static BYTE SlipEndPkt[1] = (END);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 char WaitingBuffer[MAX_READ_BUF];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LONG ConnectingRedial = FALSE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            if (Dlocfg.auto_login)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Next Wail = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    int InetState = MODEM_IDLE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LONG ConnectingTimeout = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         goto releaseECB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WaitingLines = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #define MAX_READ_BUF 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  char *nextWait;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     goto engueueTxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             int WaitingIndex = 0;
      Page D Thu Jul 7 14646313 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       void InitLogin()
                                                                            else (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              int BaudRate[]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          57600,
115200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8400,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9200,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ,009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1800,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       200,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9600,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNS = (excess > 0) ? (UDP + 8) : ecb->ECB_Fragment[1].FragmentAddress;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /* ECB contents determined by inspection, there are safer methods */
      To the transfer of the first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCP_CSUM(roverTCP) = ip_adjust_csum(TCP_CSUM(roverTCP),
(WORD)TCP_ACKNUM(roverTCP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            roverTCP = rover->ECB_Fragment{1}.FragmentAddress + (-excess);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCP_ACKNUM (roverTCP)>>16,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (hton1 (TCP_ACKNUM(roverTCP)) + htons(TCP_WINDOW(roverTCP))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (WORD) TCP_ACKNUM (TCP) );
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCP_ACKNUM(TCP)>>16);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TCP_CSUM(roverTCP) = ip_adjust_csum(TCP_CSUM(roverTCP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for (rover = TxQ.head; rover; rover = rover->ECB_NextLink)
                                            BYTE* roverIP = rover->ECB_Fragment(0).FragmentAddress;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BYTE* roverIP = rover->ECB_Fragment[0].FragmentAddress;
                                                                                                                                                                                                                                                                                                                                                                         (IP_FLAG_FRAG(roverIP) & htons(0x3fff)) == 0 &&
                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCP_DST_PORT(roverTCP) == TCP_DST_PORT(TCP) &&
IP_SRC_ADDR(roverIP) == IP_SRC_ADDR(IP) &&
TCP_SRC_PORT(roverTCP) == TCP_SRC_PORT(TCP) &&
TCP_CODE(roverTCP) & TCP_ACK &&
                                                                                                                                                                                                                                                                                                                           if (rover->ECB_Fragment[0].FragmentLength >= 20 &&
                                                                                                                                                                                                                                                                          excess += rover->ECB_Fragment[1].FragmentLength;
                                                                                          excess = (rover->ECB_Fragment[0].FragmentLength
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 excess = (rover->ECB_Fragment[0].FragmentLength
                                                                                                                                                                      roverTCP = roverIP + IP_HD_LEN(roverIP) * 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOVETTE TE TE TELLEN (TOVETTE) * 4;
                                                                                                                                                                                                                                                                                                                                                                                                IP_PROTO(roverIP) == IPPROTO_TCP &&
IP_DST_ADDR(roverIP) == IP_DST_ADDR(IP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TCP_ACKNUM(roverTCP) = TCP_ACKNUM(TCP);
TCP_WINDOW(roverTCP) = TCP_WINDOW(TCP);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ++DIOStats->TxAbortExcessCollisions;
                                                                                                                   IP_HD_LEN(roverIP) * 4);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IP_HD_LEN(roverIP) * 4);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if (UDP_DST_PORT(UDP) != htons(53))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          goto releaseECB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 if (excess > 0) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /* filter DNS only
                                                                                                                                             if (excess > 0)
                                                                     roverTCP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   goto enqueueTxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    goto enqueueTxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BYTE* roverUDP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BYTE* roverDNS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BYTE* UDP = TCP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    doto enqueueTxQ;
Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       if (excess < 8)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       goto enqueueTxQ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10011100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       excess -= 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BYTE* DNS;
                                                                                                                                                                                                                         else (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     filterUDP:
```

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Page 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   - Pointer to Eve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRACMENTSTRUCT* frag = fragStruc->FragmentDesc + count;
BYTE* frame = (BYTE*)frag->FragmentAddress;
LONG length = frag->FragmentLength;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dlosend(SlipEndPkt, 1, DLO_INET_TIMEOUT);
Dlosend(MTUBHEfer, dataStart - MTUBHEfer, DLO_INET_TIMEOUT);
Dlosend(dataStart, output - dataStart, DLO_INET_TIMEOUT);
Dlosend(SlipEndPkt, 1, DLO_INET_TIMEOUT);
return 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /* version 4, length 5 */
/* tos */
/* length */
                                                                                                                                                                                                                                                                                                                                                                                                                                header = (*frame & 0x0f) * 4;
if (--header == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   int (*DPCTxFrame)(FRAG_DESC* fragStruc) = SLIPSendRoutineOpt;
                                                                                                                                                                                                            = ESC,
= ESC_END;
                                                                                                                                                                                                                                                                                                     *output++ = ESC_ESC;
                                                                                                                                                                                                                                                                                                                                                          *output++ = *frame;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               if (output - MTUBuffer < 20 | {
    output - MTUBuffer > DloGetWriteBufferSpace())
                                                                                                                                                                                                                                                                                  *output++ = ESC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    dataStart = output;
                                                                                                                                                                                                                             *output++
                                                                                                                                                                                                            output++
                                                                                                                                                                                                                                                                                                                                                                                               )
if (header == 0x80000000)
                                                                                                                                                                                                                                              break;
                                                                                                                                                                                                                                                                                                                        break;
                                                                                                                                                                                                                                                                                                                                                                             break;
          tinet,c
                                                                                                                                                                                                                                                                   case ESC:
                                                                                                                                                                                          case END:
                                                                                                                                                                                                                                                                                                                                         default:
                                                                                                                                                  switch (*frame)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            if finished with ECB
                                                                                                             while (length-- > 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   static BYTE IPHeader[IP_TUNNEL_SIZE]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ++frame;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IPSendRoutine(ECB *tcb)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ++count;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nothing
 Pagel Lithin Jul 1711 WHA LE 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Description:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nt Control Block
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Returns:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Input:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Output:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0×45,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0,0
                                     for (i = 0, nextWait = DloCfg.wait_for_l; i < 9; i++, nextWait+
=sizeof(DloCfg.wait_for_l))</pre>
separate HEADER from PAYLOAD */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRAGMENTSTRUCT* frag = fragStruc->FragmentDesc + count;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *output++ = ESC_END;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ESC_ESC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BYTE* frame = (BYTE*)frag->FragmentAddress;
LONG length = frag->FragmentLength;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       *output++ = *frame;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                *output++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        *output++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             *output++
                                                                                                                                                                                                                                                                                                                                                                                                                              while (count < fragStrug->FragmentCount)
                                                                                                                              WaitingLines++;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          while (count < fragStruc->FragmentCount)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SLIPSendRoutineDebug(FRAG_DESC* fragStruc)
      tinet.c
                                                                                                                                                                                                                                                                                                                 int SLIPSendRoutineOpt(FRAG_DESC* fragStruc)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ESC:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     case END:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      default:
                                   ConnectingTimeout = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 switch (*frame)
                                                                                                           if (*nextWait)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                case
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          while (length-- > 0)
                                                                                                                                                                                                                                                                                                                                                      LONG count = 0;
BYTE* output = MTUBuffer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LONG count = 0;
BYTE* output = MTUBuffer;
BYTE* dataStart = 0;
LONG header = 0x80000000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ++frame;
                                                                                                                                                                                                                                                              static BYTE MTUBuffer[8192];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ++conut;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       *output++ = END;
                                                                                                                                                                                                                                                                                                                                                                                                             *output++ = END;
   Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    return 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LONG
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Page 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         fragStruc->FragmentDesc[currFrag].FragmentAddress = ((ch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             જ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   - fragStruc->FragmentDesc(0).Fragme
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IPHeader[0] = 0x40 | (fragStruc->FragmentDesc[0].Fragmen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fragStruc->FragmentDesc(0).FragmentLength - OIHL)
                                                                                                                                                                                                                                                                                                                                                                                                                                      TL -= fragStruc->FragmentDesc(currFrag).FragmentLength;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                īĽ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3)
                                                                                                                                                                                                                                                                                                                                                                                    fragStruc->FragmentDesc(currFrag].FragmentLength <= TL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fragStruc->FragmentDesc[0].FragmentLength = (OIHL +
                                                                                                                                                                                                                                  TL less OIHL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            offset = fragStruc->FragmentDesc[0].FragmentLength;
                                                                                                                               OIHL);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fragStruc->FragmentDesc(currFrag).FragmentLength
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fragStruc->FragmentDesc(currFrag).FragmentLength
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LONG len = IPHeader[offset + 1];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                if (IPHeader[offset] & 0x80) /* copy */
  offset += IPHeader[offset + 1];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     memcpy(IPHeader + offset,
IPHeader + offset + len,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OIHL - (offset + len));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (!options_collapsed) {
   LONG offset = 20;
   while (offset < OIHL && IPHeader[offset]) {
                                                               *(WORD*)(&IPHeader[2]) = htons(TL);
*(WORD*)(&IPHeader[10]) = 0; /* clear checksum */
*(WORD*)(&IPHeader[10]) = chksum((WORD *)IPHeader,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              memmove(fragStruc->FragmentDesc + currFrag
fragStruc->FragmentDesc + currFrag,
                                                                                                                                                                                                   * Now fake out the fragStruc to reflect TL. * Hang on to enough information to remove the
                                               /* set More Fragments
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             * This frag gets split into 2 pieces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TL = fragStruc->FragmentCount - currFrag + 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ar*) fragStruc->FragmentDesc(currFrag).FragmentAddress) + TL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (fragStruc->FragmentCount
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sizeof(FRAGMENTSTRUCT)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /* collapse *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fragStruc->FragmentCount = currFrag;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -= len;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ++fragStruc->FragmentCount;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          memset(IPHeader + OIHL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     options_collapsed = 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OIHL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   offset
       tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if (DPCTxFrame(fragStruc)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      else (
                                            IPHeader[6] |= 0x20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ++currFrag;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ++currFrag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   frame_size
                                                                                                                                                                                                                                                                                                                                   frame_size -= TL;
                                                                                                                                                                                                                                                                                                                                                             while (TL > 0 &&
                                                                                                                                                                                                                                                                                                           TL -= OIHL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               if (TL > 0)
                                                                                                                                                                                                                                                       * later,
    There is the in 12 is 4613 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7.
F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tLength /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nt Gengt h;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x3c;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sizeof(LONG) + (sizeof(FRAGMENTSTRUCT) * ecb->ECB_FragmentCount))
                                                                                                                                                                                                                                                                            FRAG_DESC* fragStruc = alloca(sizeof(LONG) + (sizeof(FRAGMENTSTRUCT) *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         fill IPHeader with tunnel data, including IP/gateway addresses,
       /* IP in IP (encapsulation) */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LONG OIHL = fragStruc->FragmentDesc[0].FragmentLength;
BYTE OMF = IPHeader[6] & 0x20;
LONG NFB (Diorfg.mtu · 01HL) & 0xfrra.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sizeof(FRAGMENTSTRUCT) * fragStruc->FragmentCount);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fragStruc->FragmentDesc(0).FragmentAddress = IPHeader;
fragStruc->FragmentDesc(0).FragmentLength = IP_TUNNEL_SIZE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    memset(&fragStruc->FragmentDesc[fragStruc->FragmentCount],
       BYTE* ecbIPHeader = ecb->ECB_Fragment(0).FragmentAddress;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (*(LONG*)&ecbIPHeader[12] != DPC_IP_Address)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    *(WORD*) (&IPHeader[10]) = 0; /* checksum, for now *(LONG*) (&IPHeader[12]) = Dlocfg.ip_address; *(LONG*) (&IPHeader[16]) = Dlocfg.gateway_address;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  *(WORD*)(&IPHeader[10]) = chksum((WORD *)IPHeader
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IP_TUNNEL_SIZE);
           į.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LONG NPB (Dloc'fq.m(u · OIHL) & OxfffB;
WORD TL = OIHL + NPB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         /* initialize the copy of the tcb fragStruct */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This algorithm is roughly per RFC791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Have to fragment the packet
                                                                    /* fragment */
                                            /* ident */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  *(WORD*)(&IPHeader[2]) = htons(frame_size);
                                                                                           /* ttl */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (ecbIPHeader[9] != IPPROTO_TCP) ||
                                                                                                                                                                       (*(WORD*)&IPHeader[4])
                                                                                                                                                                                                                                                                                                                                WORD frame_size = ecb->ECB_DataLength;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /* either do "routed" packets */
       tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 memmove(fragStruc->FragmentDesc + 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        * 2);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fragStruc->FragmentDesc,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (frame_size < DloCfg.mtu &&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               &ecb->ECB_FragmentCount
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                while (frame_size > DloCfg.mtu)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sizeof (FRAGMENTSTRUCT)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          frame_size += IP_TUNNEL_SIZE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and prepend to frag list.
                                                                                                                                                                                                                                                                                                                                                          int options_collapsed = 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ++fragStruc->FragmentCount;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     goto skipFragger;
                  ٠,٠
                                                                                                                                                                                                                           IPSendRoutine(ECB *ecb)
                                                                                                                                                                                                                                                                                                      ecb->ECB_FragmentCount + 2));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       * Shucks.
                                                                                                                                                                                                                                                                                                                                                                                  LONG currFrag = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     memcpy(fragStruc,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ++IPHeaderident;
                                                                                                                                                  );
#define IPHeaderIdent
Thu Jul 17 14:46:13 1997
                                            0, 0,
0, 0,
0x7£,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          įĘ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #ifdef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #endif
                                                                                                                                                                                                                             int
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Page 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       waitingStr = (char *)&Dlocfg.wait_for_1[NextWait*30];
NWsprintf(statusStr, MSG("Modem Status: Waiting for \"%s\"\n", 557), wai
                                                                                   /* technically unsafe, but works */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RawECB.ECB_DataLength += RawFrags[--i],FragmentLength;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  i * sizeof(FRAGMENTSTRUCT));
RawECB.ECB_DataLength = sizeof(RawEnvelope);
                                                                                                                                                                                                                                                  #define RawSendRoutineDebug RawSendRoutineOpt int RawSendRoutineOpt(FRAG_DESC* fragStruc) (
                  tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if (DloCfg.out_protocol == OUT_NETWORK) {
   InetState = PROTOCOL_CONNECTED;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RawECB.ECB_FragmentCount = i + 1;
                                                                                                                     IPHeader, sizeof(IPHeader)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                UpdateModemStr(statusStr);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             fragStruc->FragmentDesc,
                                                                           FRAGMENTSTRUCT RawFrags[15] = (
                                                                                                                                                                                                                                                                                                                          int i;
for (i = 20000; --i > 0; ) {
   if (RawECB.ECB_Status == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InetState = MODEM_CONNECTED;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   i = fragStruc->FragmentCount;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         void InetStateChange(int state)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ResumeThread (DPCInet PID);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ConnectingRedial = FALSE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 if (WaitingLines == 0)
                                                                                                                                                                                                                                       #define RawSendRoutineDebug
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ThreadSwitchWithDelay();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    void DisplayWaitStatus(void)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        char statusStr[80];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLSLSendPacket (&RawECB);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        InetState = MODEM_IDLE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if (ConnectingRedial)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               return;
   if (ExitingFlag)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        case DLOS_IDLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           goto rawSend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     case DLOS_DISC_3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  switch (state) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if (InetAsleep)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   memcpy (RawFrags,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    case DLOS_DISC_2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DloEndConn()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    case DLOS_CONN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           case DLOS_DISC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        InitLogin();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      while (i > 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       return 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tingStr);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rawSend:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fragStruc->FragmentDesc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /* compute new IPHeader values: fragment offset */
*(WORD*)(&IPHeader[6]) = htons((ntohs(*(WORD*)(&IPHeader[6])) &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if ((DIOStats->TotalTxOKByteCountLow += ecb->ECB_DataLength) <</pre>
                                                                                                                                                   * Adjust the frag list to "remove" the fragment just sent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              *(WORD*)(&IPHeader[2]) = htons(frame_size);
*(WORD*)(&IPHeader[10]) = 0; /* clear checksum */
*(WORD*)(&IPHeader[10]) = chksum((WORD *)IPHeader,
           The first fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ecb->ECB_DataLength) - ++DIOStats->TotalTxOKByteCountHigh; /* wrapped */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /* send the remaining (possibly ALL) portion of the frame */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ECB_ProtocolWorkspace */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ECB_ImmediateAddress */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ECB_DriverWorkspace */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ECB_FragmentCount */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ECB_PreviousLink */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  + (NFB / 8));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ECB_BoardNumber */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ECB_ProtocoliD */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ECB_DataLength */
                                                                                                                                                                                                                                       memmove(fragStruc->FragmentDesc + 1,
    fragStruc->FragmentDesc + currFrag,
    sizeof(FRAGMENTSTRUCT) * TL);
fragStruc->FragmentCount = TL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ECB_NextLink */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ECB_StackID */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ECB_Status */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0×1fff)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ECB_ESR *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ++DIOStats->TotalTxPacketCount;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IPHeader[6] = OMF;
if (frame_size <= DloCfg.mtu)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ( RawEnvelope, sizeof(RawEnvelope) ),
tinet.ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0x00, 0x0c, 0x0a, 0x0b, 0x0c, 0x0c, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         if (DPCTxFrame(fragStruc) == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RawEnvelope[14] = \{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     static void EmptyESR(ECB* ecb)
                                                                                                                                                                                                                                                                                                                                                                                                                 currFrag = 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if (DIOStats)
   Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     [0].FragmentLength);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0×00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      return 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EmptyESR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ECB RawECB = {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           unsigned char
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0×00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0×00,
0×08,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     skipFragger:
```

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Page 18
                                                                                                                                                                                                                                                                                                                                                           dvrCfg = (struct DriverConfigurationStructure *)
CommandMlid(DloCfg.net_interface, 0, (LONG)ControlEntryP
                                                                                                  DPCTXFrame = DebugFlag ? PPPSendRoutineDebug : PPPSendRoutineOpt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          case OUT_SLIP:
DPCTXFrame = DebugFlag ? SLIPSendRoutineDebug : SLIPSendRoutineO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DPCTxFrame = DebugFlag ? RawSendRoutineDebug : RawSendRoutineOpt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ConnectingTimeout = GetCurrentTime() + DloCfg.wait_timeout, 1 * 1
                                                                                                                                                                                                                                                                                                                                                                                                                           memcpy(RawEnvelope + 6, dvrCfg->DNodeAddress, 6);
                                                                                                                                                                                                                                            RawECB.ECB_BoardNumber = DloCfg.net_interface;
                                                                                                                                                                                          void (*ControlEntryPoint)(void) = 0;
struct DriverConfigurationStructure* dvrCfg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if (WaitingLines == 0 || DloCfg.auto_login == FALSE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /* Timeout if we've waited too long for this wait
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              memcpy(RawEnvelope, DloCfg.net_addr, 6);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /* No use trying if we aren't even connected
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if (GetCurrentTime() > ConnectingTimeout)
                                                                                                                                                              case OUT_NETWORK: (
    void (*ControlEntryPoint)(void)
         tinet.c
                                                                                                                                                                                                                                                                                                                      goto skipDriver;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InetStateChange(DLOS_DISC_4);
                                                            switch (DloCfg.out_protocol)
case OUT_PPP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /* Get out if we're done */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          if (ConnectingTimeout == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *sendStr, *waitStr;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      return (FALSE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   return (TRUE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 if (!DloConnected())
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           char sendBuf[40];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LONG nextTimeout;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           int ProcessLogin(void)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DloEndConn();
     Property Thu Jul 17 144613 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     skipDriver:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BYTE value;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         char
                                                                                                                                                                                                                                                                                                                                                                                                     oint);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ÷:
                                                                                                                                                                                                                                                E
     while((p=strrchr(lpszIpAddress,(int)'.')) != NULL)
       ı
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     pack_mac_addr(serialNumPacked, 3, serialNum, 6);
x = serialNumPacked[0];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NWsprintf(serialNum, MSG("%061x", 480), sn);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MACbuildAddr(serialNum, MAC_HI, 0, &HIAddr);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NWsprintf(tmp1, MSG("%02X", 477),i);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             serialNumPacked(0] = serialNumPacked(2);
serialNumPacked(2) = x;
   tinet.c
                                                                                                                                                                                                   * FUNCTION: Convert Internet addess Address
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NWsprintf(tmp1,MSG("%02X", 478),1);
                                                                                                                                                                                                                                                                                                                               void convert_address(char *lpszIpAddress)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) Oxff;
) Oxff;
) Oxff;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               strcat(tmp, MSG("0000", 479));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CStrCpy(lpszlpAddress, tmp);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   strcat(tmp,tmpl);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   = atoi(lpszIpAddress);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                serialNum(9);
serialNumPacked(3);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           key->b[0] = serialNumPacked[0]
key->b[1] = serialNumPacked[1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      = serialNumPacked[2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 key->b[i] = 0x00 ^ 0xff;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        i = atoi(p+1);
                                                                                                                                                                                                                                                                                                                                                                                                                     char tmp[20], tmp1[10];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sn = atol(serialNum);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                · vold InetChangeProtocol(void)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                void make_hi_key(chunk *key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DIOGETSN (serialNum);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             strcat(tmp,tmp1);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for(i = 3; i < 8; i++)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HIAddr;
Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      InetChannel;
                                                                                                                                                                                                                                                                                                                                                                                                                                        tmp(0) = 0;
                                                                                                                                                                                                                                                                                                                                                                            char *p; int i = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LONG sn;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BYTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BYTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BYTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      key->b[2]
                                                                           break;
                                                        default:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MACaddr_t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LONG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MSG("Turbo Inct Transmit Packets", 619),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MSG("Turbo Inet Receive Packets", 619),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          *************************

    ignored

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Turbo Inet RxPreScan Chain",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RegisterForEvent (EVENT_PROTOCOL_BIND, TinetProtocolBind, 0);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LSLTxPreScanStackSignature);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LSLPrescanStackSignature);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Main thread for Turbo Internet handling.
                                                                                                                                                                                                                                                                                                                                                                              epbs->protocolNumber == 1/*PROTOCOL_ID_TCPIP*/) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ECBSignature);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TxChainRTag = AllocateResourceTag(NLMHandle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RxChainRTag = AllocateResourceTag(NLMHandle,
                                                                                                                                                                                                                                                                                                                       (struct EventProtocolBindStruct*)_parameter;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /* unused
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TxECBRTag = AllocateResourceTag(NLMHandle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RXECBRTag = AllocateResourceTag(NLMHandle,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NewQ.semaphore = OpenLocalSemaphore(0);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TxQ.semaphore = OpenLocalSemaphore(0);
            tinet.c
                                                                                                                                                                                                                                                                                     __parameter) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BeginThread(FilterQueue, 0, 0, 0);
                                                                                                                                                                                                                                                                                                                                                                                                 extern LONG DPCNextRegistrationCheck; DPCGetIPAddress(&DPC_IP_Address);
                                                                                                                                                                                                                                                                                                        struct EventProtocolBindStruct* epbs =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LONG removedCount = (LONG)(-1);
long millidelay = 0;
LONG protocolBindHandle =
                                                                                                                                                                                                                                                                                                                                                   if (epbs->boardNumber == DIOBoard &&
                                                                                                                                            ccode = ConnectPPP();
                                                                                                                                                                                                                                                                                                                                                                                                                                            DPCNextRegistrationCheck = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            time_t nextStartConn = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protocolBindHandle
                                                                                                                                                                                                                                                                                void TinetProtocolBind (LONG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InetMain(void *parm)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             void InetMain(void *parm)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nothing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nothing
                                                                                                                                                                                       return ccode,
        Page 12 Thu 101 17 14 46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             parm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Description:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  parm = parm;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Returns:
                                                                      /*ddd*/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Output:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Input:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nextTineout = DloCfg.wait_timeout_1 + NextWait;
ConnectingTimeout = GetCurrentTime() +
   (InextTimeout) ? (nextTimeout * 18) : (5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sendStr = (char *)&DloCfg.send_1[NextWait * 30];
NWsprintf(sendBuf, MSG("%s\r", 558), sendStr);
DloSend(sendBuf, CStrLen(sendBuf), DLO_INET_TIMEOUT);
            A. Harris de la des
                                                                                                            /* First timeout. Send return and try again. */
                                                                                                                                                         InitLogin();
DloSend(MSG("\r", 181), 1, DLO_INET_TIMEOUT);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            waitStr = (char *)&DloCfg.wait_for_1[NextWait * 30];
if(strstr(WaitingBuffer, waitStr) != NULL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WaitingBuffer[WaitingIndex++] = value;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /* time to "setile" */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WaitingBuffer[WaitingIndex] = 0, if (WaitingIndex > (MAX_READ_BUF-1))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :,0\, =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WaitingBuffer[WaitingIndex] = '\0';
              14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DloUpdateModemStr();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WaitingIndex = 0;
WaitingBuffer[WaitingIndex]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (value != '\r' && value != '\n')
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WaitingIndex = 0;
                                                                                                                                    ConnectingRedial = TRUE;
                                                               if (ConnectingRedial == FALSE)
(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if (WaitingLines == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         return (TRUE);
      tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DisplayWaitStatus();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              == OUT_SLIP)
                                                                                                                                                                                                                                                                                                                                                                                           while (DloReceive(&value, 1) != 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          else if (value == '\r')
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WaitingIndex = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    putchar (value);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WaitingLines--;
                                                                                                                                                                                                        return(FALSE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      return(FALSE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NextWait++;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         if (DloCfg.out_protocol
{
                                                                                                                                                                                                                                                                          return (FALSE);
                                                                                                                                                                                                                                                                                                                                                                                                                                        if (DebugFlag)
                                                                                                                                                                                                                                                   DloEndConn();
                                                                                                                                                                                                                                                                                                                                              DisplayWaitStatus();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          delay(1000);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    return 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              int ConnectProtocol(void)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          return (FALSE);
Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.
F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             int ccode;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           *18));
```

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Page 22
                                                                                                                                                                                                                                        *

 /* next to last
&RxchainID,

                                                                                                                                                                                                                                                                              ConnectionLimiter,
                                       InetQueuePacket,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            if (DloCfg.out_protocol != OUT_NETWORK &&
    AIOWriteStatus(AIOPortHandle, &count, 0))
                                                           InetControl,
                                                                                                                                                                                                (CLSLRegisterPreScanRxChain (RxChainRTag,
                                                                                                                                                                                                                                                                                                InetControl,
                                                                        TXECBRTag))
                                                                                                                                                                                                                                                                                                                    RXECBRTag))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TimedWaitOnLocalSemaphore(TxQ.semaphore, 200);
                                                                                                                                                                                                                      DIOBoard,
                                                                                                                  millidelay = 500;
removedCount = (LONG)(-1);
                                                                                                                                                                                                                                                                                                                                                       millidelay = 500;
removedCount = (LONG)(-1);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        InetState = PROTOCOL_CONNECTED;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InetState >= PROTOCOL_CONNECTED))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (TxQ.head == 0 && (InctState <= MODEM_CONNECTING | |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (DloCfg.out_protocol == OUT_PPP & InetState == PROTOCOL_CONNECTED)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InetState = LOGIN_CONNECTED;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                millidelay = 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        millidelay = 200;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DloEndConn();
millidelay = 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       if (!ConnectProtocol())
 tinet.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           if (!ProcessLogin())
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PPPBackground();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                case PROTOCOL_CONNECTED:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        millidelay = 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LONG count = 0;
                                                                                                                                                            break;
                                                                                                                                                                                                                                                                                                                                                                                               break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       case MODEM_CONNECTED:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  case LOGIN_CONNECTED;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 switch (InetState)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              millidelay = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       continue;
 Page 21 Tru Jul 17 1646:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               i.f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ທ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /* UpdateModemStr(MSG("ERROR: could not pack mac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sending an esr address of -1 tells MLID to handle rec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /* Yuk. We'll change this later to get rid these extra

 3, /* next to last */
&TxChainID,

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NWsprintf(szBicBCDAddress, MSG("%d.%d.%d.%d", 620),
BYTE address[8];
BYTE szBicBCDAddress[20];
struct DriverStatsStructure* stats = 0;
LONG ip_address = ntohl(Dlocfg.ip_address);
                                                                                                                                                                                                                                                                                                                                                                                             while (DIOBoard && removedCount != DIORemovedCount)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DIOAddHIAddr(InetChannel, (BYTE *)&HIAddr);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DIOStats->TxOKMultipleCollisions = 0;
if (CLSLRegisterPreScanTxChain(TxChainRTag,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DIOBoard,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ip_address >> 24) & 0xff,
(ip_address >> 16) & 0xff,
(ip_address >> 8) & 0xff,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      removedCount = (LONG)(-1);
                                                                                                                                                                                                                                                                                             ThreadSwitchWithDelay/*LowPriority*/();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             convert_address(szBicBCDAddress);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   removedCount = DIORemovedCount;
/* Enable internet reception */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ip_address) & Oxff);
                                    ECBSignature);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    millidelay = 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    millidelay = 500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DPCGetMLIDStats(&stats);
                                                                                            (Dlocfg.out_protocol == OUT_NETWORK)
InetState = PROTOCOL_CONNECTED;
 tinet.c
                                                        DPCGetIPAddress(&DPC_IP_Address);
                                                                                                                                                                                                                InetAsleep = TRUE;
if (millidelay > 55)
delay(millidelay);
else if (millidelay > 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                )
if (ExitingFlag)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           break;
                                                                                                                                                                                                                                                                                                                                                     InetAsleep = FALSE;
                                                                                                                                                                                                                                                                                                                                     ThreadSwitch();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /* ;((xxxx ,"n/
                                                                                                                                                                          while (!ExitingFlag)
 Thu Jul 17 14:46:13 1997
                                                                                                                                                      mainloop:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      eption */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   tages */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 address
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (((ssa)
```

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In Page 23 and It and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LONG diff = ecb->activityTimer - millicl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ecb->activityTimer < milliclock() - 60000)
if (ecb->activityTimer)
++DIOStats->TxAbortExDeferral;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if (DloCfg.out_protocol != OUT_NETWORK)
AlOWriteStatus(AlOPortHandle, &count, 0);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (0 ==
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10 * /* Tx bits with framing */
1000 / /* milliseconds */
BaudRate[DloCfg.tinet_baud_index]);
Fr China Share Sha
                                                                                                                                                                                                                                                                                                                                                                                                                                while (ecb->activityTimer > milliclock)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    millidelay = diff;
if ((ecb = ecb->ECB_NextLink)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InitLogin();
DloStartConn(DLO_INET_TIMEOUT);
InetState = MODEM_CONNECTING;
nextStartConn = time(0) + 30;
/* fallthru */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ReleaseECB(Dequeue(&NewQ)); CloseLocalSemaphore(TxQ.semaphore = 0; CloseLocalSemaphore(NewQ.semaphore); NewQ.semaphore = 0;
                                                                                                                                                                                                             LONG milliclock = milliclock();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         if (diff < millidelay)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     goto mainloop;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IPSendRoutine(ecb);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               if (nextStartConn < time(0))
                                                                                                                                                                                                                                                                                                                                                                          millidelay = 100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ReleaseECB(ecb);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLSLDeRegisterPreScanRxChain(RxChainID);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLSLDeRegisterPreScanTxChain(TxChainID);
                                                                                                                                                                                                                                                                                                               ecb = TxQ.head;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      millidelay = 10 * 1000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          )
millidelay = (count *
10 *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 )
Remove(&TxQ,
         tinet.c
                                                                                                                                                                                                                                                                        ECB* ecb;
                                                                                             if (count == 0)
{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DIOCloseChannel(InetChannel);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               else
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ReleaseECB (Dequeue (&TxQ));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        )
case MODEM_IDLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  while (NewQ.head)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     default:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      while (TxQ.head)
    Thu Jul 17 14:46:13 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ock;
```

UnregisterForEvent(protocolBindHandle);

DPCInetPID = 0;

return;